SV-9 Systems Technology Forecast For Consideration

FY05

Security PKI/PKE

PKI/PKE Applications

Initial employment of SSO & RBAC

Operating Systems

UNIX/LINUX & MS Windows (Next Version)

Databases

Expansion/ Maturity of Distributed and Federated Data Models

Devices

100mb Wireless Networks and Compatible Devices

Applications

Web-Based Applications, Bio-Metrics

Expand Integration of BLOB's in the DOD Electronic Medical Record

Architecture

Expansion/Maturity of Integrated Computing/Communications Infrastructure

Clustering of Hub Computing Infrastructure with Shared Storage

FY06

Security PKI/PKE

PKI/PKE Remaining Populations

Digital Signatures & Bio-Metrics

Next phase of employment of SSO & RBAC

Operating Systems

UNIX/LINUX (Next Versions)

Windows Next Version

Databases

Maturity of Distributed and Federated Systems

Devices

RFID (pallet)

Satellite Networks

IPV6

Speech Recognition (mobile)

Applications

Expanded Plug & Play Applications

Architecture

Service-Oriented Architecture (SOA)

Initial implementation of Services:

Person Identification, Lexical Query, Terminology, Data

FY07 & Beyond

Security PKI/PKE

Fully Employ SSO & RBAC

Operating Systems

UNIX/LINUX (next versions)

MS Windows (next versions)

Databases

Standardized terminology and lexicons

Semantic Meta-data

Devices

RFID (item)

Molecular Computing/Robotics

Applications

CPU / OS independent applications

Architecture

Location "Aware" Services

Maturity of SOA Enterprise Standard Components

System View 9 - Glossary

BLOB – Binary Large Object (images, waveforms)

DSS – Decision Support System

IPV6 – Internet Protocol Version 6

RBAC – Role-based Access Control

RFID – Radio Frequency Identification

SOA – Service Oriented Architecture

SSO – Single Sign-On